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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JUL 02	LMEDLINE coverage updated
NEWS	3	JUL 02	SCISEARCH enhanced with complete author names
NEWS	4	JUL 02	CHEMCATS accession numbers revised
NEWS	5	JUL 02	CA/CAPLUS enhanced with utility model patents from China
NEWS	6	JUL 16	CAPLUS enhanced with French and German abstracts
NEWS	7	JUL 18	CA/CAPLUS patent coverage enhanced
NEWS	8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	9	JUL 30	USGENE now available on STN
NEWS	10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	11	AUG 06	BEILSTEIN updated with new compounds
NEWS	12	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	13	AUG 13	CA/CAPLUS enhanced with additional kind codes for granted patents
NEWS	14	AUG 20	CA/CAPLUS enhanced with CAS indexing in pre-1907 records
NEWS	15	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	16	AUG 27	USPATOLD now available on STN
NEWS	17	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	18	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	19	SEP 13	FORIS renamed to SOFIS
NEWS	20	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	21	SEP 17	CA/CAPLUS enhanced with printed CA page images from 1967-1998
NEWS	22	SEP 17	CAPLUS coverage extended to include traditional medicine patents
NEWS	23	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	24	OCT 02	CA/CAPLUS enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS EXPRESS	19	SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.	
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:48:15 ON 04 OCT 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 14:48:34 ON 04 OCT 2007

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 OCT 2007 HIGHEST RN 949140-96-9

DICTIONARY FILE UPDATES: 3 OCT 2007 HIGHEST RN 949140-96-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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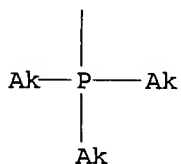
Uploading C:\Program Files\Stnexp\Queries\10807163-allowance.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 14:48:50 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 77825 TO ITERATE

2.6% PROCESSED 2000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 1539903 TO 1573097
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 14:48:54 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1547163 TO ITERATE

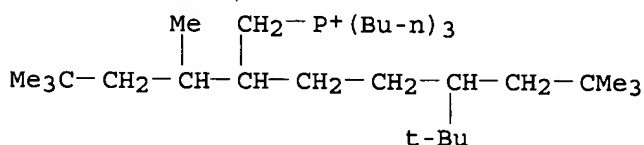
64.6% PROCESSED 1000000 ITERATIONS (1 INCOMPLETE) 8 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.13

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 1547163 TO 1547163
PROJECTED ANSWERS: 8 TO 22

L3 8 SEA SSS FUL L1

=> d l3 scan

L3 8 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN Phosphonium, tributyl[5-(1,1-dimethylethyl)-7,7-dimethyl-2-(1,3,3-trimethylbutyl)octyl]-
MF C33 H70 P
CI COM



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
172.10	172.31

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 14:49:26 ON 04 OCT 2007
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FILE COVERS 1907 - 4 Oct 2007 VOL 147 ISS 15
FILE LAST UPDATED: 3 Oct 2007 (20071003/ED)

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They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 13

L4 4 L3

=> d 14 ibib abs hitstr 1-

YOU HAVE REQUESTED DATA FROM 4 ANSWERS - CONTINUE? Y/(N):y

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:322689 CAPLUS

DOCUMENT NUMBER: 142:375970

TITLE: Organic-modified layered silicate salt and its composition

INVENTOR(S): Nishimi, Hironari

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.

CODEN: JKXXAF

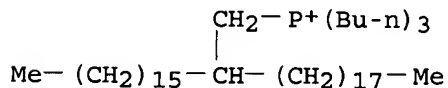
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

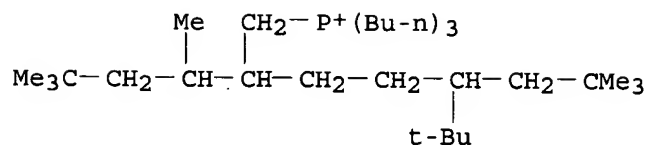
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 2005097028	A	20050414	JP 2003-331192	20030924
PRIORITY APPLN. INFO.:			JP 2003-331192	20030924
AB	The silicate salt includes tetraalkyl phosphonium compound in the interlayers, and is combined with a surface modifier. The silicate salt is mixed with thermoplastic resin. The products have excellent thermal stability and dispersion property.			
IT	776323-82-1 849697-18-3 RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); RCT (Reactant); PROC (Process); RACT (Reactant or reagent) (organic-modified layered silicate salt and its composition)			
RN	776323-82-1 CAPLUS			
CN	Phosphonium, tributyl(2-hexadecyleicosyl)-, bromide (9CI) (CA INDEX NAME)			



RN 849697-18-3 CAPLUS

CN Phosphonium, tributyl[5-(1,1-dimethylethyl)-7,7-dimethyl-2-(1,3,3-trimethylbutyl)octyl]-, bromide (9CI) (CA INDEX NAME)



● Br⁻

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2004:871157 CAPLUS
 DOCUMENT NUMBER: 141:350273
 TITLE: Preparation of tetraalkylphosphonium salts as
 modifiers for layered silicates for organic solvent or
 thermoplastic compositions
 INVENTOR(S): Nishimi, Hironari; Nakamura, Koki
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004292412	A	20041021	JP 2003-90670	20030328
US 2004220309	A1	20041104	US 2004-807163	20040324
PRIORITY APPLN. INFO.:			JP 2003-90670	A 20030328

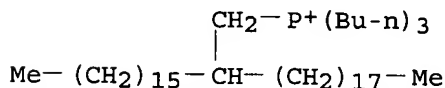
AB Phosphonium salts having ≥1 C9-100 branched alkyl chains were prepared Thus, NJCOL C 32-36 (branched alc.) was brominated with CBr₄ and PPh₃, and treated with Bu₃P giving 34% Me(CH₂)₁₅CH[(CH₂)₁₇Me]CH₂P+Bu₃Br⁻, which was treated with ME 100 (swellable synthetic mica) giving an intercalation complex showing decomposition at starting temperature 270°, and good dispersibility in CHCl₃ or cyclohexane.

IT 776323-84-3DP, intercalation complexes with mica or montmorillonite 776323-85-4DP, intercalation complexes with mica or montmorillonite

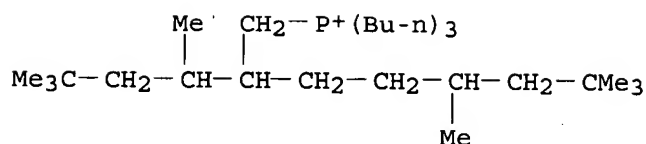
RL: MOA (Modifier or additive use); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
 (preparation of branched tetraalkylphosphonium salts as modifiers for layered silicates for organic solvent or thermoplastic compns.)

RN 776323-84-3 CAPLUS

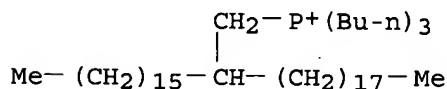
CN Phosphonium, tributyl(2-hexadecyleicosyl)- (CA INDEX NAME)



RN 776323-85-4 CAPLUS
 CN Phosphonium, tributyl[5,7,7-trimethyl-2-(1,3,3-trimethylbutyl)octyl]- (CA INDEX NAME)

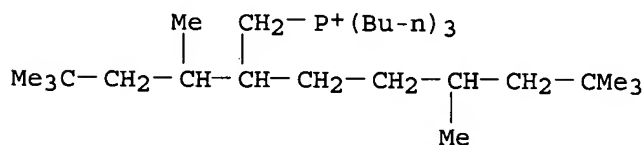


IT 776323-82-1P 776323-83-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of branched tetraalkylphosphonium salts as modifiers for layered silicates for organic solvent or thermoplastic compns.)
 RN 776323-82-1 CAPLUS
 CN Phosphonium, tributyl(2-hexadecyleicosyl)-, bromide (9CI) (CA INDEX NAME)



● Br⁻

RN 776323-83-2 CAPLUS
 CN Phosphonium, tributyl[5,7,7-trimethyl-2-(1,3,3-trimethylbutyl)octyl]-, bromide (9CI) (CA INDEX NAME)



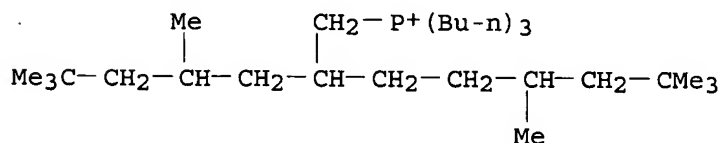
● Br⁻

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2004:433050 CAPLUS
 DOCUMENT NUMBER: 140:431531
 TITLE: Polyether sulfone compositions, their (gas-barrier) films with good heat resistance, and substrates and optical imaging devices using them
 INVENTOR(S): Naruse, Hideaki
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 26 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004149584	A	20040527	JP 2002-313648	20021029
PRIORITY APPLN. INFO.:			JP 2002-313648	20021029
AB The compns. contain polyether sulfones having structural repeating units				

Ar1SO2Ar2O and Ar3SO2Ar4OAr5O (Ar1-Ar5 = C6-12 aromatic hydrocarbyl), and layered silicates having quaternary tetraalkylphosphonium and/or N-containing heterocyclic salts. The gas-barrier films have organic-inorg. hybrid layers manufactured by sol-gel process on films comprising the compns. The optical imaging devices, e.g., organic electroluminescent devices, produce defect-free images and show good durability.

IT 676614-01-0D, intercalation complex with synthetic mica
 RL: DEV (Device component use); MOA (Modifier or additive use); USES (Uses)
 (polyether sulfone compns. containing organic-intercalated silicates for gas-barrier films for optical imaging devices)
 RN 676614-01-0 CAPLUS
 CN Phosphonium, tributyl[5,7,7-trimethyl-2-(2,4,4-trimethylpentyl)octyl]- (CA INDEX NAME)



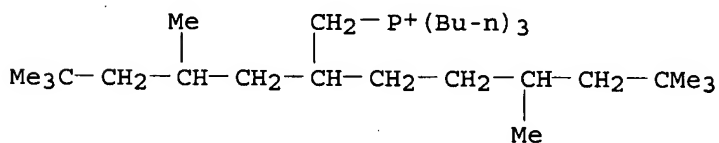
L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2004:291234 CAPLUS
 DOCUMENT NUMBER: 140:312175
 TITLE: Polymer compositions and their gas-barrier heat-resistant films for substrates of optical imaging devices
 INVENTOR(S): Naruse, Hideaki; Nishimi, Hironari
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 27 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004107541	A	20040408	JP 2002-274037	20020919
US 2004116555	A1	20040617	US 2003-665432	20030922
PRIORITY APPLN. INFO.:			JP 2002-274037	A 20020919

AB The polymer compns. comprise polymers with Tg 120-400° and organic compd.-modified layered silicate salts with decomposition-starting temperature 190-350°. The films show low water and O permeability and are useful for substrates of organic electroluminescent devices.

IT 676614-01-0DP, intercalation complexes with layered silicate salts
 RL: DEV (Device component use); IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (gas-barrier heat-resistant films containing organic compd.-modified layered silicate salts for substrates of optical imaging devices)

RN 676614-01-0 CAPLUS
 CN Phosphonium, tributyl[5,7,7-trimethyl-2-(2,4,4-trimethylpentyl)octyl]- (CA INDEX NAME)





chain nodes :

1 2 3 4 5

chain bonds :

1-2 1-3 1-4 1-5

exact/norm bonds :

1-2 1-3 1-4 1-5

Connectivity :

2:1 E exact C chain 3:1 E exact C chain 4:1 E exact C chain 5:1 E exact C chain

Match level :

1:CLASS2:CLASS3:CLASS4:CLASS5:CLASS

Generic attributes :

2:

Type of chain : Branched

Saturation : Saturated

Number of Carbon Atoms : 7 or more

3:

Saturation : Saturated

4:

Saturation : Saturated

5:

Saturation : Saturated

Element Count :